

# Kristopher Fecteau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/357598/publications.pdf>

Version: 2024-02-01

13  
papers

333  
citations

1163117

8  
h-index

1199594

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

268  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Modeling the Habitat Range of Phototrophs in Yellowstone National Park: Toward the Development of a Comprehensive Fitness Landscape. <i>Frontiers in Microbiology</i> , 2012, 3, 221.                            | 3.5 | 64        |
| 2  | Ecological differentiation in planktonic and sediment-associated chemotrophic microbial populations in Yellowstone hot springs. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw137.                             | 2.7 | 60        |
| 3  | Thermodynamics of Organic Transformations in Hydrothermal Fluids. <i>Reviews in Mineralogy and Geochemistry</i> , 2013, 76, 311-350.   | 4.8 | 47        |
| 4  | Subsurface processes influence oxidant availability and chemoautotrophic hydrogen metabolism in Yellowstone hot springs. <i>Geobiology</i> , 2018, 16, 674-692.  | 2.4 | 35        |
| 5  | Deamination reaction mechanisms of protonated amines under hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 113-128.   | 3.9 | 24        |
| 6  | Theoretical Predictions Versus Environmental Observations on Serpentinization Fluids: Lessons From the Samail Ophiolite in Oman. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020756. | 3.4 | 24        |
| 7  | Probing the geological source and biological fate of hydrogen in Yellowstone hot springs. <i>Environmental Microbiology</i> , 2019, 21, 3816-3830.   | 3.8 | 22        |
| 8  | Production of Carboxylic Acids from Aldehydes under Hydrothermal Conditions: A Kinetics Study of Benzaldehyde. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 170-191.  | 2.7 | 18        |
| 9  | Seasonal hydrologic and geologic forcing drive hot spring geochemistry and microbial biodiversity. <i>Environmental Microbiology</i> , 2021, 23, 4034-4053.  | 3.8 | 17        |
| 10 | Metastable equilibrium of substitution reactions among oxygen- and nitrogen-bearing organic compounds at hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 272, 93-104.                    | 3.9 | 7         |
| 11 | Cyanobacteria and Algae Meet at the Limits of Their Habitat Ranges in Moderately Acidic Hot Springs. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .                                     | 3.0 | 7         |
| 12 | Earth as Organic Chemist. , 2019, , 415-446.   |     | 5         |
| 13 | Bulk gold catalyzes hydride transfer in the Cannizzaro and related reactions. <i>New Journal of Chemistry</i> , 2019, 43, 19137-19148.   | 2.8 | 2         |